

"Made available under NASA sponsorship  
in the interest of early and wide dis-  
semination of Earth Resources Survey  
Program information and without liability  
for any use made thereof."

E7.3-11056

CR-133946

Quarterly Progress Report

June-August 1973

SKYLAB EREP Investigation 475

Contract Number NAS 9-13406

"INTERDISCIPLINARY APPLICATION AND INTERPRETATION OF  
EREP DATA WITHIN THE SUSQUEHANNA RIVER BASIN"

Office for Remote Sensing of Earth Resources (ORSER)  
Space Science and Engineering Laboratory (SSEL)  
Room 219 Electrical Engineering West  
The Pennsylvania State University  
University Park, Pennsylvania 16802

E73-11056) INTERDISCIPLINARY APPLICATION  
AND INTERPRETATION OF EREP DATA WITHIN  
THE SUSQUEHANNA RIVER BASIN Quarterly  
Progress Report, Jun. - (Pennsylvania  
State Univ.) 2 p HC \$3.00 CSCL 08H

N73-32232

Unclas  
G3/13 01056

Principal Investigator:  
Dr. George J. McMurtry

NASA Technical Monitor:  
Mr. Martin Miller

September 1973

## Quarterly Progress Report

June-August 1973

SKYLAB EREP Investigation 475  
Contract Number NAS 9-13406

### Summary of Work During Reporting Period

Since no SKYLAB data were available, no significant results were achieved during this period. Work was commenced on the compilation of an inventory of known mineral deposits within the Susquehanna River Basin. An EREP pass was accomplished on SL-3 along track 62 on August 5, 1973. A supporting aircraft mission was conducted at approximately the same time.

### Expected Accomplishments During Next Reporting Period

Since the SL-3 mission did not terminate until September, the first EREP data is not expected to be received until late November or early December. Data from the August supporting aircraft mission is expected during the next period. This data will be examined, annotated, and cataloged. It will be correlated with the inventories of known mineral deposits and geologic structures being compiled. The inventory of mineral deposits will be continued and that of geologic structures will be commenced.

### Overall Status and Summary Outlook

ORSER/SSEL is prepared to receive and analyze data in both image and digital form. A fully equipped photointerpretation laboratory and digital processing system is operational and currently being used in an ERTS-1 investigation. No significant deviation from the Milestone Plan is anticipated.